

| INFORMATION DISCLOSURE CITATION<br><i>(Use several sheets if necessary)</i>                                                                                                                                                                    |                    |                                                                                                                                                                                                                                                                                                                          |                                 | Docket Number (Optional) <b>IAP5 Rec'd PCT/PTO 30 AUG 2006</b><br>50478-3700 | Application Number<br>Not yet assigned |             |                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------|----------------------------------------|-------------|----------------------------|
|                                                                                                                                                                                                                                                |                    |                                                                                                                                                                                                                                                                                                                          |                                 | Applicant(s)<br><b>Hideo Nagai et al.</b>                                    | <b>10/591153</b>                       |             |                            |
|                                                                                                                                                                                                                                                |                    |                                                                                                                                                                                                                                                                                                                          |                                 | Filing Date<br><b>Herewith</b>                                               | Group Art Unit<br>Not yet assigned     |             |                            |
|                                                                                                                                                                                                                                                |                    |                                                                                                                                                                                                                                                                                                                          |                                 | U. S. PATENT DOCUMENTS                                                       |                                        |             |                            |
| EXAMINER INITIAL                                                                                                                                                                                                                               | REF                | DOCUMENT NUMBER                                                                                                                                                                                                                                                                                                          | DATE                            | NAME                                                                         | CLASS                                  | SUBCLASS    | FILING DATE IF APPROPRIATE |
|                                                                                                                                                                                                                                                |                    | <b>6,222,207</b>                                                                                                                                                                                                                                                                                                         | <b>4.24.2001</b>                | <b>Carter-Coman et al.</b>                                                   |                                        |             |                            |
|                                                                                                                                                                                                                                                |                    | <b>6,316,785</b>                                                                                                                                                                                                                                                                                                         | <b>11.13.2001</b>               | <b>Nunoue et al.</b>                                                         |                                        |             |                            |
| U. S. PATENT APPLICATION PUBLICATIONS                                                                                                                                                                                                          |                    |                                                                                                                                                                                                                                                                                                                          |                                 |                                                                              |                                        |             |                            |
| EXAMINER INITIAL                                                                                                                                                                                                                               | REF                | DOCUMENT NUMBER                                                                                                                                                                                                                                                                                                          | DATE                            | NAME                                                                         | CLASS                                  | SUBCLASS    | FILING DATE IF APPROPRIATE |
|                                                                                                                                                                                                                                                |                    | <b>2004-0031956</b>                                                                                                                                                                                                                                                                                                      | <b>2.19.2004</b>                | <b>Saxler</b>                                                                |                                        |             |                            |
| FOREIGN PATENT DOCUMENTS                                                                                                                                                                                                                       |                    |                                                                                                                                                                                                                                                                                                                          |                                 |                                                                              |                                        |             |                            |
| REF                                                                                                                                                                                                                                            | DOCUMENT NUMBER    | DATE                                                                                                                                                                                                                                                                                                                     | COUNTRY                         | CLASS                                                                        | SUBCLASS                               | Translation |                            |
|                                                                                                                                                                                                                                                |                    |                                                                                                                                                                                                                                                                                                                          |                                 |                                                                              |                                        | YES         | NO                         |
|                                                                                                                                                                                                                                                | <b>2003-110138</b> | <b>4.11.2003</b>                                                                                                                                                                                                                                                                                                         | <b>Japan w/English Abstract</b> |                                                                              |                                        | <b>X</b>    |                            |
|                                                                                                                                                                                                                                                | <b>11-330552</b>   | <b>11.30.1999</b>                                                                                                                                                                                                                                                                                                        | <b>Japan w/English Abstract</b> |                                                                              |                                        | <b>X</b>    |                            |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)                                                                                                                                                                         |                    |                                                                                                                                                                                                                                                                                                                          |                                 |                                                                              |                                        |             |                            |
|                                                                                                                                                                                                                                                |                    | <b>Yamada, Motokazu et al; InGaN-Based Near-Ultraviolet and Blue-Light-Emitting Diodes with High External Quantum Efficiency Using a Patterned Sapphire Substrate and a Mesh Electrode; Jpn. J. Appl. Phys Vol. 41 (2002) pp. L1431-L1433, Part 2, No. 12B, December 15, 2002, The Japan Society of Applied Physics.</b> |                                 |                                                                              |                                        |             |                            |
| EXAMINER                                                                                                                                                                                                                                       |                    |                                                                                                                                                                                                                                                                                                                          | DATE CONSIDERED                 |                                                                              |                                        |             |                            |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and <u>not</u> considered. Include copy of this form with next communication to applicant. |                    |                                                                                                                                                                                                                                                                                                                          |                                 |                                                                              |                                        |             |                            |